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June 14, 2001

RECEIVED

JUN 14 2001

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

Ms. Magalie Roman Salas
Secretary, Federal Communications Commission
445 12th Street, S.W.
Washington, DC 20554

Re: *Deployment of Wireline Services Offering Advanced Telecommunications Capability* -- CC Docket No. 98-147

Ex parte presentation pursuant to C.F.R. §1.1206(a)(1)

Dear Ms. Salas:

Catena Networks, Inc. ("Catena") distributed the attached materials yesterday to various Commission staff, including representatives of the Program and Policy Planning Division, Common Carrier Bureau. The attached materials announce Catena's new integrated POTS + DSL product, the CN1000 Broadband Loop Carrier, creating a new class of broadband access systems designed for the mass-market deployment of DSL services and the converged, packet-based public network. The CN1000 has 100% POTS and 100% DSL capability on every subscriber line, allowing carriers to cost-effectively provision and manage volume voice and DSL services. The CN1000 will also help service providers make a graceful, line-by-line migration from today's circuit-based time-division multiplexed (TDM) network to a converged packet-based public network. A second press release announces the CN1000 winning a SUPERQuest Award for Most Promising New Public Network Technology, at SUPERCOMM 2001.

Please contact the undersigned if you have any questions with regard to this submission.

Respectfully submitted,

Stephen L. Goodman
Counsel for Catena

cc: Aaron Goldberger
Elizabeth Yockus

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CATENA NETWORKS

News Release

CATENA NETWORKS 303 Twin Dolphin Drive, Suite 600, Redwood Shores, Calif. 94065 Voice 1 866 2CATENA www.catena.com

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Catena Networks Introduces the CN1000 Broadband Loop Carrier; a New Class of Access System for Mass-Market DSL and the Converged Public Network

CN1000 Broadband Loop Carrier Enables Graceful, Line-by-Line Migration to Converged Packet-Based Public Network

Atlanta – June 4, 2001 – At SUPERCOMM 2001 today, Catena Networks introduced a new class of broadband access system designed for the mass-market deployment of broadband digital subscriber line (DSL) services and the converged, packet-based public network.

The Catena CN1000 Broadband Loop Carrier (BLC) is a highly integrated broadband access system that will enable carriers to cost-effectively provision and manage volume voice and DSL services. It also will help service providers make a graceful, line-by-line migration from today's circuit-based time-division multiplexed (TDM) network to a converged packet-based public network.

Catena will demonstrate the CN1000 BLC, which is designed for both outside-plant and central-office applications, at Booth #7923 in Hall H of the Georgia World Congress Center.

The growing demand for residential broadband services has created a pressing need for service providers to cost-effectively deliver DSL at high volumes. The Yankee Group, a Boston, Mass.-based market research firm, projects that the U.S. residential DSL market will grow from 2.8 million subscribers in 2001 to 10.5 million subscribers in 2005 – with U.S. DSL equipment sales exceeding $1 billion per year during those four years.

Still, more than 40 percent of residential subscribers are unable to get DSL because they do not meet specific connection criteria or because deployment hasn't kept pace with demand in their area.

The CN1000 is based on a patented architecture developed by Catena, which will enable carriers to accelerate the deployment of volume broadband DSL services, while enabling the convergence of voice and data in the access network.

This access architecture will reduce the capital and operational costs of deploying DSL services by as much as 50 percent, by completely integrating Plain Old Telephone Service (POTS) and DSL on every line, at costs approaching POTS-only solutions.

-more-

Catena's CN1000 BLC terminates the loop at the first access point in the carrier's network and provides a single data path for the delivery of all services. Each subscriber line will support lifeline telephone service and be "DSL ready" the moment it is installed. This means that service providers can remotely provision POTS and DSL services as soon as the customer order is placed, without truck rolls to remote sites.

According to Matthew Davis, program manager for E-Networks & Broadband Access at The Yankee Group, "Carriers have been searching for a cost-effective, profitable and scalable way to deliver broadband DSL and new packet-based services to subscribers served from remote terminals. Catena's Broadband Loop Carrier creates a new option for service providers that want to meet strong consumer demand for DSL, integrate their volume voice and DSL operations, and migrate to emerging softswitch architectures."

Bob Machlin, president and CEO of Catena Networks, said Catena's Broadband Loop Carrier differs considerably from current Next-Generation Digital Loop Carrier systems (NGDLCs) in remote terminal applications.

"Current NGDLCs are based on TDM architectures," Machlin said. "These systems utilize DSL or combination POTS+DSL line cards, which sacrifice POTS port capacity to deliver DSL service and impose high traffic-engineering costs. In contrast, Catena's CN1000 is engineered from the ground up using a high-bandwidth, packet-based architecture and unique, highly integrated POTS/DSL silicon technology. This level of integration enables service providers to deliver POTS and DSL on every port, without sacrificing POTS port capacity, and dramatically reduces their capital and operational costs."

The Catena CN1000 BLC incorporates the functionality of a DSL Access Multiplexer (DSLAM), a Media Gateway and a Digital Loop Carrier (DLC) system, while also eliminating the need for network-side POTS splitters and residential Integrated Access Devices (IADs). This highly integrated broadband access system significantly reduces complexity and points of failure, resulting in greater network reliability.

Service providers will have full spectrum connectivity to the subscriber loop, which will greatly simplify loop management and enable future, full-bandwidth services. In addition, Catena's architecture supports optional voice packetization, on a per-line basis, at the line termination point. This enables a graceful migration from the circuit-based TDM network to the new, packet-based public network.

To provision and manage mass-market DSL services, the CN1000 uses the CatenaView Element Management System (EMS) and a complete Application Programming Interface (API) suite. Expandable to hundreds of thousands of lines, CatenaView can be distributed across client/server platforms. The API provides the interfaces necessary to electronically link the CN1000 to upstream operation support systems and, by utilizing a TCP/IP-based protocol, enables interoperability regardless of platform, operating system, programming language, network hardware or software.

By enabling service providers to handle DSL service requests through remote provisioning from their network operations centers via the CatenaView EMS, the CN1000 can save up to $200 per port in operational costs. Catena's programmable silicon technology also enables carriers to deliver new services via software downloads – as opposed to traditional costly hardware upgrades.

The CN1000 supports GR-303 and TR-08 interfaces to legacy TDM networks, as well as Media Gateway Control Protocol (MGCP) and MEGACO (H.248) interfaces to converged packet-based networks.

Fully environmentally hardened for deployments in remote terminals, Catena's CN1000 BLC scales to more than four times the port density of existing NGDLCs. Its patented POTS+DSL silicon technology enables up to 2,112 integrated POTS+DSL ports per seven-foot rack.

The CN1000 is fully standards compliant and is fully interoperable with leading DSL customer premises equipment (CPE) and ADSL chip sets.

Pricing and Availability

Customer lab evaluations and field trials of the CN1000 BLC are expected to begin in the fourth quarter of 2001. The CN1000, delivering 100 percent POTS and 100 percent DSL capacity, is price competitive with leading NGDLCs provisioned with only 10 to 15 percent DSL capacity. For more information, contact Catena Networks at 866-2CATENA or visit the company's web site at www.catena.com.

About Catena Networks

Catena Networks will enable the mass-market deployment of broadband DSL services and help carriers migrate to a converged packet-based access network that integrates their volume voice and DSL operations. With Catena's solutions, service providers can deliver fully integrated voice and data services to residential and business subscribers more quickly, cost-effectively and profitably than ever before. Headquartered in Redwood Shores, Calif., the company operates a world-class research and development facility in Ottawa, Ontario, Canada and has 340 employees across North America. Founded in 1998, Catena is a privately held company that has secured U.S. $117 million in venture financing. For more information, please access www.catena.com.

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Catena Networks' CN1000 Broadband Loop Carrier Wins SUPERQuest Award

CN1000 Named Most Promising New Public Network Technology in the Category of Access Networking Equipment

Atlanta – June 6, 2001 – At SUPERCOMM 2001 today, Catena Networks announced that its CN1000 Broadband Loop Carrier received a SUPERQuest Award for Most Promising New Public Network Technology.

Sponsored by SUPERCOMM and CMP Media's *tele.com* magazine, in cooperation with *Network Magazine*, the SUPERQuest Awards are designed to recognize the year's best built networks and most promising new technologies, and to honor the key products and technologies launched at SUPERCOMM.

Awards were given to exhibitors and customers that have made the most extraordinary achievements in telecommunications worldwide.

More than 250 companies entered this year's awards competition. Judges selected winners in five public network technology categories and evaluated entrants based on how well their new products will "advance the state-of-the-art" in the public network.

Catena's CN1000 Broadband Loop Carrier (BLC) won in the category of Access Networking Equipment, which included DSL, cable, wireless and other technologies.

"We're elated to win this prestigious award, particularly with the large number of quality products entered in this year's competition," said Bob Machlin, president and CEO of Catena Networks. "It recognizes that our CN1000 Broadband Loop Carrier is a groundbreaking solution, which will enable service providers to cost-effectively provision and manage volume voice and DSL services."

John Salak, editor-in-chief of *tele.com*, said, "The fourth annual SUPERQuest awards proved to be the most successful yet, both in terms of the number of entries and their quality. All this made the judging harder than ever, but we're happy with our choices. They reflect that this industry, despite its current troubles, is headed in the right direction."

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The CN1000 BLC represents a new class of access system that will help carriers accelerate DSL service delivery and smoothly migrate from today's circuit-based PSTN to a converged, packet-based public network.

Catena's CN1000 provides POTS+DSL on every line, at costs approaching POTS-only solutions. It dramatically reduces capital and operations costs by integrating the functions of a DSLAM, Digital Loop Carrier System and Media Gateway and by enabling no-truck-roll remote provisioning and management.

The CN1000 also supports optional voice packetization, on a per-line basis, which enables a graceful, line-by-line migration from today's TDM-based network to the emerging packet-based public network.

About Catena Networks

Catena Networks will enable the mass-market deployment of broadband DSL services and help carriers migrate to a converged packet-based access network that integrates their volume voice and DSL operations. With Catena's solutions, service providers can deliver fully integrated voice and data services to residential and business subscribers more quickly, cost-effectively and profitably than ever before. Headquartered in Redwood Shores, Calif., the company operates a world-class research and development facility in Ottawa, Ontario, Canada and has 340 employees across North America. Founded in 1998, Catena is a privately held company that has secured U.S. $117 million in venture financing. For more information, please access www.catena.com.

About SUPERCOMM

SUPERCOMM, the premier annual communications and information technology exhibition and conference, is presented jointly by the Telecommunications Industry Association (TIA), http://www.tiaonline.org, Arlington, Va., and the United States Telecom Association (USTA), http://www.usta.org, Washington, D.C.

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